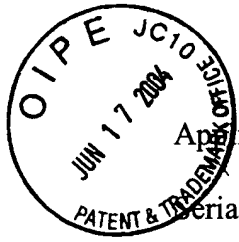


1fw



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Gigliotti, Jr. et al.	)	
		)	Group Art Unit:
Serial No.:	10/801,843	)	
		)	Examiner:
Filing Date:	3/16/2004	)	
		)	
For:	EROSION AND WEAR	)	
	RESISTANT PROTECTIVE	)	
	STRUCTURES FOR	)	
	TURBINE ENGINE	)	
	COMPONENTS	)	

INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR §§ 1.56, 1.97 AND 1.98

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

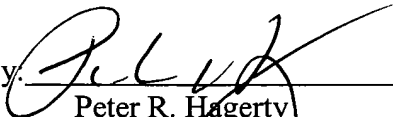
Sir:

In compliance with the duty to disclose, submitted herewith is form PTO-A820 (PTO-1449) listing publication(s) of which those designated by 37 CFR § 1.56 are aware. Copies of the non-United States patents or published applications are enclosed.

The filing of this Information Disclosure Statement shall not be construed as a representation that a search has been made, or an admission that the information cited is, or is considered to be, material to patentability.

Respectfully submitted,

CANTOR COLBURN LLP

By:   
Peter R. Hagerty  
Registration No. 42,618

Date: June 15, 2004  
Customer No. 23413  
(860) 286-2929

<b>TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT</b> (Under 37 CFR 1.97(b) or 1.97(c))			Docket No. <b>130445-1</b>	
In Re Application Of: <b>Gigliotti, Jr. et al.</b>				
Serial No. <b>10/801,843</b>	Filing Date <b>3/16/2004</b>	Examiner	Group Art Unit	
Title: <b>EROSION AND WEAR RESISTANT PROTECTIVE STRUCTURES FOR TURBINE ENGINE COMPONENTS</b>				
<div style="text-align: center;"> <p>Address to:</p> <p><b>Commissioner for Patents</b>  <b>P.O. Box 1450</b>  <b>Alexandria, VA 22313-1450</b></p> </div> <div style="text-align: center; margin-top: 10px;"> <p><b>37 CFR 1.97(b)</b></p> </div> <p>1.    <input checked="" type="checkbox"/> The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.</p> <div style="text-align: center; margin-top: 20px;"> <p><b>37 CFR 1.97(c)</b></p> </div> <p>2.    <input type="checkbox"/> The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:</p> <div style="margin-left: 40px; margin-top: 10px;"> <p><input type="checkbox"/> the statement specified in 37 CFR 1.97(e);</p> <div style="text-align: center; margin-top: 10px;"> <p><b>OR</b></p> </div> <p><input type="checkbox"/> the fee set forth in 37 CFR 1.17(p).</p> </div>				

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**  
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.  
130445-1

In Re Application: Gigliotti, Jr. et al.

Serial No.  
10/801,843

Filing Date  
3/16/2004

Examiner

Group Art Unit



**EROSION AND WEAR RESISTANT PROTECTIVE STRUCTURES FOR TURBINE ENGINE COMPONENTS**

**Payment of Fee**

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- ☐ A check in the amount of \_\_\_\_\_ is attached.
- ☒ The Director is hereby authorized to charge and credit Deposit Account No. 06-1130 as described below.
- ☐ Charge the amount of \_\_\_\_\_
- ☐ Credit any overpayment.
- ☒ Charge any additional fee required.

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I certify that this document and authorization to charge deposit account is being facsimile transmitted to the United States Patent and Trademark Office (F:

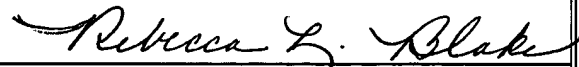
\_\_\_\_\_  
(Date)

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Signature

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**Certificate of Mailing by First Class Mail**

I certify that this document and fee is being deposited on 6/15/2004 with the U.S. Postal Service as first class mail under 37 C.F.R. 1.8 and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



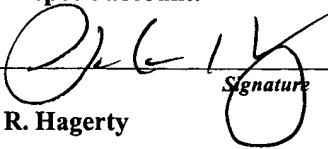
\_\_\_\_\_  
Signature of Person Mailing Correspondence

Rebecca L. Blake

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Typed or Printed Name of Person Mailing Certificate

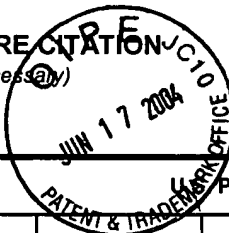
\*This certificate may only be used if paying by deposit account.

Dated: June 15, 2004

  
Peter R. Hagerty  
Registration No. 42,618  
Customer No. 23413  
Telephone No. 860-286-2929

CC:

<b>INFORMATION DISCLOSURE STATEMENT</b> (Use several sheets if necessary)				ATTY DOCKET NO. 130445-1		SERIAL NO. 10/801,843	
				Gigliotti, Jr. et al. FILING 3/16/2004      GROUP			



PATENT DOCUMENTS							
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	5,531,369	7/2/1996	Richman et al.				
	6,127,044	10/3/2000	Yamamoto et al.				
	US 6,451,454 B1	9/17/2002	Hasz et al.				
	US 6,458,317 B1	10/1/2002	Koskinen et al.				
	US 2001/0021346 A1	9/13/2001	Doi et al.				

FOREIGN PATENT DOCUMENTS								
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION		
						YES	NO	
	EP 0 515 078 B1	0.12.1997	European				✓	
	EP 0 508 414 B1	24.07.1996	European				✓	
	EP 0 642 876 B1	15.03.2000	European				✓	
	WO 99/66102	23.12.99	PCT				✓	

OTHER DOCUMENTS    (Including Author, Title, Date, Pertinent Pages, Etc.)			
			Minoru Umemoto, "Nanocrystallization of Steels by Various Severe Plastic Deformation" Department of Production Systems Engineering, Toyohashi University of Technology, Toyohashi, Aichi 441-8580, Japan (Written in June 2003), 10 pages
			<a href="http://www.wilkinsonsteel.com/Stainless/316.htm">http://www.wilkinsonsteel.com/Stainless/316.htm</a> (12/19/2003) 2 pages

EXAMINER	DATE CONSIDERED
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.